

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number:

10/541,998A

Source:

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10/4/06

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RAW SEQUENCE LISTING

DATE: 10/04/2006

PATENT APPLICATION: US/10/541,998A

TIME: 13:37:48

Input Set : A:\19020.seq.txt

Output Set: N:\CRF4\10042006\J541998A.raw

3 <110> APPLICANT: Collier, Greg
 4 Walder, Ken
 5 Segal, David
 6 Foletta, Victoria
 8 <120> TITLE OF INVENTION: OBESITY-RELATED GENES
 10 <130> FILE REFERENCE: 19020
 12 <140> CURRENT APPLICATION NUMBER: 10/541,998A
 13 <141> CURRENT FILING DATE: 2005-07-13
 15 <160> NUMBER OF SEQ ID NOS: 13
 17 <170> SOFTWARE: PatentIn version 3.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 426
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Psammomys obesus
 24 <220> FEATURE:
 25 <221> NAME/KEY: misc_feature
 26 <222> LOCATION: (336)..(336)
 27 <223> OTHER INFORMATION: n = any nucleotide
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 33 aatataatca cgcaggctcc taacctggag aacattgagc tgtactggaa cagctacaac 120
 35 aaccgccgag acctgaactt cgagcgaggt ggtgagatga ccctcaagtg ccctgtgatg 180
 37 ctggtggttag gagaccaagc gcctcatgag gatgccgtgg tggagtgtaa ctcaaaactg 240
 39 gacccacac agacctcgtt cctcaagatg gctgattctg gaggtcagcc acagctgacc 300
 W--> 41 **cagccaggca agctgactga ggctttcaag tacttntctg aaggcatggg ctacatggcc 360**
 43 tcctcctgca tgactcgct atcgaggct cgcacggcat ctttgaccag cgcagcatcc 420
 45 attgat 426
 48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 451
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Psammomys obesus
 53 <400> SEQUENCE: 2
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 56 atcgctcctg ccgtggttca cattgaactg tatcgaaac ttcctttctc gaagagggag 120
 58 gtgccagtgg cgagtgggtc cggatttatc gtgtctgagg atggactgat tgtgaccaat 180
 60 gctcacgtgg tgaccaacaa aaacagggtc aagggtgagc tgaagaatgg agcaacctat 240
 62 gaagctaaaa tcaaggatgt ggatgaaaag gcagacatcg cacttatcaa aattgaccac 300
 64 cagggaaagc tgccagtctt gctgctgggc cgctcctcag agcttcgacc aggagagttt 360
 66 gtggtcgcca tcggaagccc cttttccctt caaaacacag tcaccactgg gatcgtcagt 420
 68 accaccacag gaggcggcaa agagctgggg c 451
 71 <210> SEQ ID NO: 3
 72 <211> LENGTH: 478
 73 <212> TYPE: DNA

(pg. 6)

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74 <213> ORGANISM: Psammomys obesus
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82 attaggttca aattatacct gattcatcta tatttacttt taaaatgtgt ggtttcctca      180
84 ttttaaaagt aaaactaaac agtgcttttg gaatttctaa gctactaatt gttgatagat      240
86 acagcctgtg tctagtaaaa tagttttgtg ggtgtgggtt ctatctttcc atgaaaaagt      300
88 gggaggtgta agttagtttg gttagtgcct aatagttaaa tttatataaa ataagaatga      360
90 gcatttggtg tctgtatgaa agggccctaa atcaaaatga ttatccataa tcaatcttta      420
92 ttcttgtttt ataaaaacca aagggcactc attgggttaag tgtgctgaga tagaaaaag      478
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96 <211> LENGTH: 1884
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98 <213> ORGANISM: Psammomys obesus
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102 <222> LOCATION: (609)..(609)
103 <223> OTHER INFORMATION: n = any nucleotide
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107 <221> NAME/KEY: misc_feature
108 <222> LOCATION: (611)..(611)
109 <223> OTHER INFORMATION: n = any nucleotide
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114 <221> NAME/KEY: misc_feature
115 <222> LOCATION: (1388)..(1388)
116 <223> OTHER INFORMATION: n = any nucleotide
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120 <221> NAME/KEY: misc_feature
121 <222> LOCATION: (1390)..(1390)
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126 <221> NAME/KEY: misc_feature
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128 <223> OTHER INFORMATION: n = any nucleotide
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132 <221> NAME/KEY: misc_feature
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134 <223> OTHER INFORMATION: n = any nucleotide
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138 <221> NAME/KEY: misc_feature
139 <222> LOCATION: (1568)..(1568)
140 <223> OTHER INFORMATION: n = any nucleotide
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146 tcttcgctct gcgctcgtgg ctcctcccaa ggccctccagt ctctttaaag aaaactcaag      120
148 acctgggaag ctacgatgcg agcttgatgc cgctacccta gcaggctatg gacttcctga      180
150 gggtcctcgg actgttgaca cccattccga tccgcacctt tccaagctga taagcccggg      240
152 accctagggc ggggtgccca gactcatgtg tgacgccttg cagtgaaacc ccattcccag      300
154 tgtggttgct tctttgctgg gctttggccc atttgatacc acgaaggatg acgatgctag      360

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156 ttatgcagca gccaacacac ctccccccaa ctctccgctg tcaactggtgg gccccactgt 420
158 ccaggaagca ggtgtccgga actgacatct tggagcagag gggccatgag aggtgtgtgt 480
160 atcctgccag aaagcagctg gaccacgacg ctcccaagat gaaccactg tatacagagg 540
162 catcatggga gttgttatgt caggagcatt ctgacccac gtgtacttga gcgtggaaaag 600
W--> 164 acagaagana ngcgcagaga ctggggcact tgatctgtct accatgatcg cctgcacggg 660
166 tctcatccag ttcctgcctt aggctacagt ggcggtgtcc acgggcttgc cattcaacgt 720
168 gctctcagac ccagatcggg ctccaccactg aggagaacct tttcactttg gtgggtatgc 780
170 agaggggaagg gtctcgactc cagagacctg gagtccaaag tttgtttttt tttatttacc 840
172 agtaatttat ttattttttt tattattagt tatgagtcca aagtttaata ccattcaagc 900
174 tactgctgtc tgtctgctta gagccacagc atgcaatgtg gcaccaaggc atccttgtcc 960
176 tcacagtttc aactgtggg aacaggcatc cttgttctta cagattagcg cgagggaac 1020
178 cagaaatatt aaacacgcag ggtgtgtctc ccaaaggag aggcacatac cctgttttcc 1080
180 tcccgaaggc tgggagcggg ggtgtttgat atcctggcta cctctgtgca atctgtaggc 1140
182 catgtcctta agatgtagct gtcagtcggt agtggagccg gagccgtcag tcagtagatt 1200
184 ggggttgtgg catgcgcctt taactccatt taattccagc actctagtgg tttggtacag 1260
186 cagcagcagc agcggttgca gtggcccggg gaagtcctga agaccagctt tcatcccagc 1320
188 actcaggcag caaaggcggg tggattctct gagttcgagg ccggcctggt ctacagagtg 1380
W--> 190 agtccagnen agccagggt acaacagaga aancctctct attgaaaaat aaataaatta 1440
192 taaaaaaaaa aaggtgtcat gtgtctgtgt tactttacaa agaattgtga tgcttaagct 1500
W--> 194 tttttgtgca cncaagaaaa ttgtttaact ggtgtcagac tcctgaagtt tgaaccagca 1560
W--> 196 cttagccngg cgtggtggcg cagcctgtta atcccagccc tcgggaggca gaggcagggtg 1620
198 gatctctgag ttagaggcca gcctggtcta cagagttagt ccaggacagc caggattaca 1680
200 cagagaaacc ccgtctcaa aatgtaaaat aaattaaaat aaagtttgaa ccaacagtgt 1740
202 ttactgagtc gtgttgaaac agattacctt tttgcttctc tttgatcatt attctactgt 1800
204 ggtgtcagca gagaccctc cagcagggtg ccaacgtgag agtctcaagc ccgagaagggt 1860
206 aagaatttaa aaaaaaaaaa aaaa 1884
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210 <211> LENGTH: 1358
211 <212> TYPE: DNA
212 <213> ORGANISM: Psammomys obesus
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215 <221> NAME/KEY: misc_feature
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217 <223> OTHER INFORMATION: n = any nucleotide
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234 <221> NAME/KEY: misc_feature
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236 <223> OTHER INFORMATION: n = any nucleotide
239 <220> FEATURE:
240 <221> NAME/KEY: misc_feature
241 <222> LOCATION: (754)..(754)

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242 <223> OTHER INFORMATION: n = any nucleotide
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248 <223> OTHER INFORMATION: n = any nucleotide
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267 <223> OTHER INFORMATION: n = any nucleotide
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272 <222> LOCATION: (1200)..(1200)
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291 <223> OTHER INFORMATION: n = any nucleotide
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295 <221> NAME/KEY: misc_feature
296 <222> LOCATION: (1305)..(1305)
297 <223> OTHER INFORMATION: n = any nucleotide
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308 <221> NAME/KEY: misc_feature
309 <222> LOCATION: (1330)..(1330)
310 <223> OTHER INFORMATION: n = any nucleotide
313 <400> SEQUENCE: 5
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316 tttctgttga gatgttgat gaaaacaagt atccactgtt taccaacttg acgaaaaatc      120
318 tcaactgagg tttggctgtt aaaaaaaaa attcactgtg gcctctgtgc ttaattgtcg      180

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320 taaaccattg tgactgttac tgctcaaagt atcgactgtg tcattagtaa ctacatcaga 240
322 attgcaccgc tgctgttgga aaagccaata aagaaacccc cagactgctg ctcagcaaat 300
324 gttaataaag tgtgcgcacc gtaggcctgt ccaccagtc accaagcagc gtccctttgt 360
W--> 326 ctgcgagtgg ctgtgggtgt gattnaccac ctcagaggtg cacagcacct gcttnggccc 420
W--> 328 ttaagtgtgn gtcagaagac aagcagcttc tcggtaacca acaacctgct tttcggagct 480
W--> 330 cagtgttttag gctgtttact gaatanata tgtaactcag cacacataag cgaagagaga 540
332 ttttggtgac actggcaaga gtgaacaaa tttacttcta ttttttaag gcaatcata 600
334 ttttaagcata taagtaattt atggatataa attgttggtt atttatttta gtctgaatat 660
336 ttgtttttta attattacat gtgttctcta tgtctttatc tctggaataa cgatgccatt 720
W--> 338 aaccacatgg ccatatgttt tgaaagtgtg gtgnaacaga ggaaaagtca tccttcttgg 780
340 ttcttgactc cctttcctca actacatgat aagtctatca ataaagcatt tgacctcagc 840
W--> 342 aggggcagaa gcctgnaaag ttagaaaact cattgaccac agtagacaat tgatttctta 900
W--> 344 gaaataagaa gtgagaagca gctgctgngc tgagcagggg atgtaaacca agtccagatg 960
W--> 346 caccaacgtg aagaggcttn tagcaaaaat atgtttgect ctcacccctg cacatgttct 1020
348 agatgcttaa aaacagccac atggccccgc tgcgaggacc tcgtaatgtt gttgttgttg 1080
350 ttgttgttgt taaaggagtt ctcaacagcg tacaagtgca gcaactgaaag tggctgaggg 1140
W--> 352 ccacagtcct cagcacccaa gtctnttccg cagcacgccca agctgggtgt gtccgggtgn 1200
354 gtatgtctgt gctcagtgcc aagctgggtg ttggtcccgt tgtatattat gtgccccaaag 1260
W--> 356 tgggttgggg canagctgac ccagctgga cacacttctt ttngncttcg agtttactgg 1320
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361 <210> SEQ ID NO: 6

362 <211> LENGTH: 390

363 <212> TYPE: DNA

364 <213> ORGANISM: Psammomys obesus

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367 <221> NAME/KEY: misc_feature

368 <222> LOCATION: (3)..(3)

369 <223> OTHER INFORMATION: n = any nucleotide

372 <220> FEATURE:

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375 <223> OTHER INFORMATION: n = any nucleotide

378 <400> SEQUENCE: 6

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383 aagaccacct gcagctgcag cctggcggtc cagctgtcta agggacgtga gagtgttcta 180
385 atcatttcca cagaccagc tcacaacatc tcagatgcat ttgaccagaa gttctccaag 240
387 gtgcctacca aggtcaaagg ctatgacaac ctctttgcta tggagataga cccgagcctg 300
389 ggcgtggcag agctccctga tgaagttctt cgaggaagac aacatgctga gcatgggcaa 360
391 gaagatgatg caggaggcca tgagcgcctt 390

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394 <210> SEQ ID NO: 7

395 <211> LENGTH: 927

396 <212> TYPE: DNA

397 <213> ORGANISM: Psammomys obesus

399 <220> FEATURE:

400 <221> NAME/KEY: misc_feature

401 <222> LOCATION: (524)..(524)

402 <223> OTHER INFORMATION: n = any nucleotide

405 <220> FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 336
Seq#:4; N Pos. 609, 611, 1388, 1390, 1413, 1512, 1568
Seq#:5; N Pos. 385, 416, 440, 507, 754, 856, 928, 980, 1165, 1200, 1273, 1284, 1303
Seq#:5; N Pos. 1305, 1326, 1380
Seq#:6; N Pos. 3, 9
Seq#:7; N Pos. 524, 527
Seq#:8; N Pos. 60
Seq#:9; N Pos. 71, 91, 113, 388

VERIFICATION SUMMARY

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Input Set : A:\19020.seq.txt

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L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:300
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:600
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:1380
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:1500
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:1560
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:360
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:420
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:480
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:720
L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:840
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:900
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:960
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1140
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1260
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1320
L:379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:480
L:458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:60
L:515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:360